

## Glutamate-1-semialdehyde 2,1-aminomutase

See *Aminotransferase, glutamate semialdehyde* [68518-07-0]

## Glutamate transporter

See *Transport proteins, glutamate-transporting*

## Glutamate transporters

Valid heading during volumes 129-130 (July 1998-June 1999) only

See *Transport proteins, glutamate-transporting*

## Glutamate-transporting proteins

See *Transport proteins, glutamate-transporting*

## Glutamic acid [617-65-2]

The L-isomer has been assumed unless otherwise specified or implied in the original document and is indexed at L-Glutamic acid [56-86-0]. When synthetic glutamic acid has been clearly indicated in the original document, the racemate has been assumed and is indexed at this heading. These assumptions have also been made for their N-substituted derivs. and for their unsubstituted and N-substituted acid derivs. (e.g., esters, hydrazides)

Studies of salts of aluminum, beryllium, gallium, indium, magnesium, thallium and the transition metals are indexed at the headings of these metals. Other metal salts are indexed at the *Glutamic acid* headings

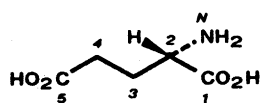
## N-[4-[(2-amino-1,4-dihydro-4-oxo-6-pteridiny)methyl]amino]benzoyl- [65165-92-6]

The L-isomer has been assumed unless otherwise specified or implied in the original document and is indexed at L-Glutamic acid, N-[4-[(2-amino-1,4-dihydro-4-oxo-6-pteridiny)methyl]amino]benzoyl- [59-30-3]

## N-carboxy-cyclic N,1-anhydride

see 4-Oxazolidinopropanoic acid, 2,5-dioxo- [3981-39-3]

## L-Glutamic acid [56-86-0]



γ-lactam — see L-Proline, 5-oxo- [98-79-3]

## L-alanylglycyl-L-α-glutamyl-L-α-aspartyl-L-valyl-L-seryl-L-histidyl-L-α-glutamyl-L-leucyl-L-α-glutamyl-L-α-glutamyl-L-lysyl-L-α-glutamyl-L-lysyl-L-alanyl-L-leucyl-L-alanyl-L-asparaginy-L-histidyl-L-seryl-

See *Pedibin (Hydra vulgaris)* [179230-99-0]

## L-alanyl-L-prolyl-L-arginyl-L-leucyl-L-prolyl-L-glutamyl-L-cysteinyl-L-glutaminyglycyl-L-α-aspartyl-L-α-aspartyl-L-glutamyl-L-α-glutamyl-L-lysyl-L-cysteinyl-L-leucyl-L-cysteinyl-L-asparaginy-L-lysyl-L-α-aspartyl-L-α-glutamyl-L-cysteinyl-L-prolyl-L-prolylglycyl-L-glutamyl-L-cysteinyl-L-arginyl-L-phenylalanyl-L-prolyl-L-arginylglycyl-L-α-aspartyl-L-alanyl-L-α-aspartyl-L-prolyl-L-tyrosyl-L-cysteinyl-

See *Decorsin (reduced)* [128906-76-3]

## L-Glutamic acid, N-[4-[(2-amino-1,4-dihydro-4-oxo-6-pteridiny)methyl]amino]benzoyl-, biological studies

See also *Metabolic pathways, carbon metabolic pathway*

## L-Glutamic acid

## N-[4-[(2-amino-5-formyl-1,4,5,6,7,8-hexahydro-4-oxo-6-pteridiny)methyl]amino]benzoyl-

(S)- — see also *Citrovorum factor* [51057-63-7]

## N-[N-[N-[N-[N-[N-[N-[N-(L-arginyl-L-seryl-L-alanyl)-L-α-aspartylglycyl]-L-phenylalanyl]glycyl]-L-arginyl]-L-methionyl]-

See *Neuropeptide C (Cardisoma carnifex sinus gland)* [111461-47-3]

## L-arginyl-L-seryl-L-alanyl-L-α-aspartylglycyl-L-phenylalanylglycyl-L-arginyl-L-methionyl-L-α-glutamyl-L-seryl-L-leucyl-L-leucyl-L-threonyl-L-seryl-L-leucyl-L-arginylglycyl-L-seryl-L-alanyl-L-α-glutamyl-L-tyrosyl-L-prolyl-L-alanyl-L-alanyl-L-leucylglycyl-L-α-glutamyl-L-alanyl-L-seryl-L-alanyl-L-alanyl-L-histidyl-L-prolyl-L-leucyl-

See *Neuropeptide H (Cardisoma carnifex sinus gland)* [111518-00-4]

## L-α-glutamyl-L-α-glutamyl-L-leucyl-L-arginyl-L-prolyl-L-α-glutamyl-L-valyl-L-leucyl-L-prolyl-L-α-aspartyl-L-valyl-L-seryl-

See *Pedin (Hydra vulgaris)* [179231-02-8]

## glycyl-L-α-aspartyl-L-seryl-L-alanyl-L-α-aspartyl-L-serylglycyl-L-α-glutamylglycyl-L-α-aspartyl-L-seryl-L-alanyl-L-threonyl-L-serylglycyl-

See *Peptide (Bacillus megaterium spore germinant specificity-regulating)* [98338-56-8]

## glycyl-L-α-aspartyl-L-valyl-L-α-glutamyl-L-lysyl-L-cysteinyl-L-seryl-L-glutamyl-L-cysteinyl-L-histidyl-L-threonyl-L-valyl-L-α-glutamyl-L-lysyl-L-seryl-L-methionylglycyl-L-isoleucylglycyl-L-tyrosyl-L-leucylglycyl-L-arginyl-L-alanyl-L-threonyl-L-asparaginy-

See *Phytotoxin PKZh 1 (Verticillium dahliae peptide moiety reduced)* [80890-45-5]

## glycyl-L-phenylalanyl-L-phenylalanyl-L-alanyl-L-leucyl-L-isoleucyl-L-prolyl-L-lysyl-L-isoleucyl-L-isoleucyl-L-seryl-L-seryl-L-prolyl-L-isoleucyl-L-phenylalanyl-L-lysyl-L-threonyl-L-leucyl-L-leucyl-L-seryl-L-alanyl-L-valylglycyl-L-

## seryl-L-alanyl-L-leucyl-L-seryl-L-seryl-L-serylglycylglycyl-L-glutamyl-

See *Pardaxin P 2* [104883-59-2]

## glycyl-L-phenylalanyl-L-phenylalanyl-L-alanyl-L-leucyl-L-isoleucyl-L-prolyl-L-lysyl-L-isoleucyl-L-isoleucyl-L-seryl-L-seryl-L-prolyl-L-leucyl-L-phenylalanyl-L-lysyl-L-threonyl-L-leucyl-L-leucyl-L-seryl-L-alanyl-L-valylglycyl-L-seryl-L-alanyl-L-leucyl-L-seryl-L-seryl-L-serylglycyl-L-α-aspartyl-L-glutamyl-

See *Pardaxin M 1* [115537-80-9]

## glycyl-L-phenylalanyl-L-phenylalanyl-L-alanyl-L-leucyl-L-isoleucyl-L-prolyl-L-lysyl-L-isoleucyl-L-isoleucyl-L-seryl-L-seryl-L-prolyl-L-leucyl-L-phenylalanyl-L-lysyl-L-threonyl-L-leucyl-L-leucyl-L-seryl-L-alanyl-L-valylglycyl-L-seryl-L-alanyl-L-leucyl-L-seryl-L-seryl-L-serylglycyl-L-α-glutamyl-L-glutamyl-

See *Pardaxin P 1* [105184-54-1]

## glycyl-L-phenylalanyl-L-phenylalanyl-L-alanyl-L-phenylalanyl-L-isoleucyl-L-prolyl-L-lysyl-L-isoleucyl-L-isoleucyl-L-seryl-L-seryl-L-prolyl-L-leucyl-L-phenylalanyl-L-lysyl-L-threonyl-L-leucyl-L-leucyl-L-seryl-L-alanyl-L-valylglycyl-L-seryl-L-alanyl-L-leucyl-L-seryl-L-seryl-L-serylglycyl-L-α-glutamyl-L-glutamyl-

See *Pardaxin P 3* [104916-49-6]

## glycyl-L-seryl-L-alanyl-L-α-glutamyl-L-seryl-L-prolyl-L-alanyl-L-alanyl-L-leucylglycyl-L-α-glutamyl-L-alanyl-L-seryl-L-alanyl-L-alanyl-L-histidyl-L-prolyl-L-leucyl-

See *Neuropeptide D (Cardisoma carnifex sinus gland)* [111461-48-4]

## L-histidyl-L-alanyl-L-α-aspartylglycyl-L-seryl-L-phenylalanyl-L-threonyl-L-seryl-L-α-aspartyl-L-isoleucyl-L-asparaginy-L-lysyl-L-valyl-L-leucyl-L-α-aspartyl-L-threonyl-L-isoleucyl-L-alanyl-L-alanyl-L-lysyl-L-α-glutamyl-L-phenylalanyl-L-leucyl-L-asparaginy-L-tryptophyl-L-leucyl-L-isoleucyl-L-seryl-L-threonyl-L-lysyl-L-valyl-L-threonyl-

See *Glucagon-like peptide 2 (Amphiuma tridactylum)* [175779-77-8]

## L-histidyl-L-alanyl-L-α-aspartylglycyl-L-seryl-L-phenylalanyl-L-threonyl-L-seryl-L-α-aspartyl-L-phenylalanyl-L-asparaginy-L-lysyl-L-alanyl-L-leucyl-L-α-aspartyl-L-isoleucyl-L-lysyl-L-alanyl-L-alanyl-L-glutamyl-L-phenylalanyl-L-leucyl-L-α-aspartyl-L-tryptophyl-L-isoleucyl-L-isoleucyl-L-asparaginy-L-threonyl-L-prolyl-L-valyl-L-lysyl-

See *Glucagon-like peptide 2 (Rana catesbeiana)* [116469-36-4]

## L-histidyl-L-alanyl-L-α-aspartylglycyl-L-threonyl-L-tyrosyl-L-threonyl-L-seryl-L-α-aspartyl-L-valyl-L-seryl-L-seryl-L-tyrosyl-L-leucyl-L-glutamyl-L-α-aspartyl-L-leucyl-L-glutamyl-L-alanyl-L-alanyl-L-lysyl-L-α-aspartyl-L-phenylalanyl-L-isoleucyl-L-threonyl-L-tryptophyl-L-leucyl-L-lysyl-L-serylglycyl-L-glutamyl-L-prolyl-L-lysyl-L-prolyl-

See *Glucagon-like peptide (Ictalurus punctatus)* [96351-03-0]

## L-histidyl-L-alanyl-L-α-aspartylglycyl-L-threonyl-L-tyrosyl-L-threonyl-L-seryl-L-α-aspartyl-L-valyl-L-seryl-L-seryl-L-tyrosyl-L-leucyl-L-glutamyl-L-α-aspartyl-L-alanyl-L-glutamyl-L-alanyl-L-lysyl-L-lysyl-L-phenylalanyl-L-valyl-L-threonyl-L-tryptophyl-L-leucyl-L-lysyl-L-glutamyl-L-glutamyl-L-α-aspartyl-L-arginyl-L-arginyl-

See *Glucagon-like peptide (Lepisosteus spatula)* [114264-80-1]

## L-histidyl-L-seryl-L-α-glutamylglycyl-L-threonyl-L-phenylalanyl-L-seryl-L-asparaginy-L-α-aspartyl-L-tyrosyl-L-seryl-L-lysyl-L-lysyl-L-tyrosyl-L-leucyl-L-α-glutamyl-L-α-aspartyl-L-arginyl-L-lysyl-L-alanyl-L-glutamyl-L-α-aspartyl-L-phenylalanyl-L-valyl-L-arginyl-L-tryptophyl-L-leucyl-L-methionyl-L-asparaginy-L-asparaginy-L-lysyl-L-arginyl-L-serylglycyl-L-alanyl-L-alanyl-

See *Glucagon I (Tilapia nilotica)* [168678-27-1]

## N-[threo-3-hydroxy-N-[N-methyl-N-[N-methyl-N-[N-[N-[N-[N-(12-methyl-1-oxotetradecyl)-L-threonyl]-L-α-aspartyl]-L-seryl]-L-seryl]-L-asparaginy]-L-phenylalanyl]-L-glutamyl-

ψ-lactone — for specific stereoisomers see such headings as *Lipopeptin A* [73666-47-4]

## L-leucyl-L-leucyl-L-threonyl-L-seryl-L-leucyl-L-arginylglycyl-L-seryl-L-alanyl-L-α-glutamyl-L-seryl-L-prolyl-L-alanyl-L-alanyl-L-leucylglycyl-L-α-glutamyl-L-alanyl-L-seryl-L-alanyl-L-alanyl-L-histidyl-L-prolyl-L-leucyl-

See *Neuropeptide F (Cardisoma carnifex sinus gland)* [111411-05-3]

## L-lysyl-L-isoleucyl-L-lysyl-L-tryptophyl-L-phenylalanyl-L-lysyl-L-threonyl-L-methionyl-L-lysyl-L-seryl-L-isoleucyl-L-alanyl-L-lysyl-L-phenylalanyl-L-isoleucyl-L-alanyl-L-lysyl-L-α-glutamyl-L-glutamyl-L-glutamyl-L-methionyl-L-lysyl-L-lysyl-L-histidyl-L-leucylglycyl-L-glycyl-

See *Lycotoxin II* [204264-80-2]

N-(11-methyl-1-oxododecyl)-L-seryl-L-seryl-4-amino-1,2-oxazetidine-3-carbonyl-L-α-aspartyl-N-methyl-L-phenylalanyl-N<sup>2</sup>-methyl-L-asparaginy-L-threo-3-hydroxy-L-glutamyl-L-threo-3-methyl-

ψ-lactone — for specific stereoisomers see such headings as *Neopeptin C* [89838-29-9]

N-(12-methyl-1-oxotetradecyl)-L-seryl-L-seryl-4-amino-1,2-oxazetidine-3-carbonyl-L-α-aspartyl-N-methyl-L-phenylalanyl-N<sup>2</sup>-methyl-L-asparaginy-L-threo-3-hydroxy-L-glutamyl-L-threo-3-methyl-

ψ-lactone — for specific stereoisomers see such headings as *Neopeptin B* [83855-21-4]

N-(12-methyl-1-oxotridecyl)-L-seryl-L-seryl-4-amino-1,2-oxazetidine-3-carbonyl-L-α-aspartyl-N-methyl-L-phenylalanyl-N<sup>2</sup>-methyl-L-asparaginy-L-threo-3-hydroxy-L-glutamyl-L-threo-3-methyl-

ψ-lactone — for specific stereoisomers see such headings as *Neopeptin A* [83855-20-3]

## 5-oxo-L-prolyl-L-α-glutamyl-L-alanyl-L-asparaginy-L-valyl-L-alanyl-L-histidyl-L-histidyl-L-tyrosyl-L-cysteinylglycyl-L-arginyl-L-histidyl-L-leucyl-L-alanyl-L-asparaginy-L-threonyl-L-leucyl-L-alanyl-L-α-aspartyl-L-leucyl-L-cysteinyl-L-tryptophyl-L-α-aspartyl-L-threonyl-L-seryl-L-valyl-

See *Bombyxin IV (B-chain reduced)* [119698-89-4]

## L-phenylalanyl-L-arginyl-L-tryptophylglycyl-L-lysyl-L-prolyl-L-valylglycyl-L-lysyl-L-lysyl-L-arginyl-L-arginyl-L-prolyl-L-valyl-L-lysyl-L-valyl-L-tyrosyl-L-prolyl-L-asparaginyglycyl-L-alanyl-L-α-glutamyl-L-α-aspartyl-L-α-glutamyl-L-seryl-L-alanyl-L-α-glutamyl-L-alanyl-L-phenylalanyl-L-prolyl-L-leucyl-

See *Corticotropin-inhibiting peptide (human)* [68563-24-6]

## L-seryl-L-lysyl-L-cysteinyl-L-phenylalanyl-L-seryl-L-trans-4-hydroxy-L-prolylglycyl-L-threonyl-L-phenylalanyl-L-cysteinylglycyl-L-isoleucyl-L-lysyl-L-trans-4-hydroxy-L-prolylglycyl-L-leucyl-L-cysteinyl-L-cysteinyl-L-seryl-L-valyl-L-arginyl-L-cysteinyl-L-phenylalanyl-L-seryl-L-leucyl-L-phenylalanyl-L-cysteinyl-L-isoleucyl-L-seryl-L-phenylalanyl-

See *Conotoxin Ng VIA (reduced)* [161812-03-9]

## N-[N-[N-[N-[N-[N-[N-(L-tryptophyl-L-alanyl)glycyl]glycyl]-L-α-aspartyl]-L-alanyl]-L-seryl]glycyl-

See *Delta sleep-inducing peptide (rabbit)* [62568-57-4]

## L-tyrosyl-L-alanyl-L-α-aspartyl-L-alanyl-L-prolyl-L-tyrosyl-L-isoleucyl-L-seryl-L-α-aspartyl-L-valyl-L-tyrosyl-L-seryl-L-tyrosyl-L-leucyl-L-glutamyl-L-α-aspartyl-L-glutamyl-L-valyl-L-alanyl-L-lysyl-L-lysyl-L-tryptophyl-L-leucyl-L-lysyl-L-serylglycyl-L-glutamyl-L-α-aspartyl-L-arginyl-L-arginyl-

See *Glucagon-like peptide (Amia calva)* [151638-20-9]

## L-tyrosylglycylglycyl-L-phenylalanyl-L-methionyl-L-threonyl-L-seryl-L-α-glutamyl-L-lysyl-L-seryl-L-glutamyl-L-threonyl-L-prolyl-L-leucyl-L-valyl-L-threonyl-L-leucyl-L-phenylalanyl-L-lysyl-L-asparaginy-L-alanyl-L-isoleucyl-L-isoleucyl-L-lysyl-L-asparaginy-L-alanyl-L-tyrosyl-L-lysyl-L-lysylglycyl-

See *β-Endorphin (human)* [61214-51-5]

## L-tyrosyl-L-valylglycyl-L-glutamyl-L-arginyl-L-leucyl-L-cysteinylglycyl-L-seryl-L-glutamyl-L-leucyl-L-valyl-L-α-aspartyl-L-threonyl-L-leucyl-L-tyrosyl-L-seryl-L-valyl-L-valyl-L-cysteinyl-L-lysyl-L-histidyl-L-arginylglycyl-L-phenylalanyl-L-tyrosyl-L-arginyl-L-prolyl-L-seryl-

See *Insulin (casiragua-B reduced)* [104953-84-6]

cyclic (7-7'),(19-20')-bis(disulfide) with glycyl-L-isoleucyl-L-valyl-L-α-aspartyl-L-glutamyl-L-cysteinyl-L-cysteinyl-L-threonyl-L-asparaginy-L-isoleucyl-L-cysteinyl-L-seryl-L-arginyl-L-asparaginy-L-glutamyl-L-leucyl-L-leucyl-L-threonyl-L-tyrosyl-L-cysteinyl-L-asparagine cyclic (6'-11')-disulfide — see *Insulin (casiragua)* [104859-08-7]

## β-Glutamic acid

See *Pentanedioic acid, 3-amino-* [1948-48-7]

## Glutamic acid-specific tRNA

See *tRNA, glutamine-specific*

## Glutamic-alanine transaminase

See *Aminotransferase, alanine* [9000-86-6]

## Glutamic anhydride

See *2H-Pyran-2,6(3H)-dione, 3-aminodihydro-* [6810-78-2]

## N-carboxy-

See *Carbamic acid, (tetrahydro-2,6-dioxo-2H-pyran-3-yl)-* [23783-21-3]

## Glutamic-aspartic transaminase

See *Aminotransferase, aspartate* [9000-97-9]

## D-Glutamic cyclase

See *Cyclotransferase, γ-D-glutamyl-* [37228-71-0]

## Glutamic dehydrogenase (acceptor)

See *Oxidase, glutamate* [39346-34-4]

## Glutamic formyltransferase

See *Formyltransferase, formylglutamate* [9029-85-0]

## Glutamic-glyoxylic transaminase

See *Aminotransferase, glycine* [9032-99-9]

## Glutamic-hydroxyphenylpyruvic transaminase

See *Aminotransferase, tyrosine* [9014-55-5]